

PART-TWO

EDUCATIONAL ASSESSMENT AND MODEL EXAMINATION FOR
INJIBAR CITY ADMINISTRATION SECONDARY SCHOOL GEOGRAPHY
MODEL EXAM APRIL 2018 E.C. (APRIL 2026 G.C)

NUMBER OF ITEMS: 60

TIME

ALLOWED: 1 HOURS

GENERAL INSTRUCTION

IN THIS EXAMINATION THERE ARE A TOTAL OF 60 MULTIPLE CHOICE QUESTIONS, SELECT THE BEST ANSWER ONLY THE LETTER OF YOUR CHOICE ON THE SEPARATE ANSWER SHEET PROVIDED. FOLLOW THE INSTRUCTION ON THE ANSWER SHEET AND THE EXAMINATION PAPER CAREFULLY.

YOU ARE ALLOWED TO WORK ON THE EXAM FOR 1 HOUR, WHEN TIME IS CALLED, YOU MUST IMMEDIATELY STOP WORKING AND WAIT FOR FURTHER INSTRUCTIONS.

ANY FORM OF CHEATING OR AN ATTEMPT TO CHEAT IN THE EXAMINATION WILL RESULT IN AN AUTOMATIC DISMISSAL FROM THE EXAMINATION HALL AND CANCELLATION OF YOUR SCORES.

PLEASE MAKE SURE THAT YOU HAVE WRITTEN ALL THE REQUIRED INFORMATION ON THE ANSWER BEFORE YOU START TO WORK ON THE EXAMINATION

1. What are the primary areas of study within the field of geography cover?
 - A. The earth's surface, the processes that shape it and the relationship between human and their environment
 - B. Every recorded action, thought, and interaction of humanity
 - C. It ranging from the small-scale decisions of a single household to large-scale interactions of global markets
 - D. It stretching from the microscopic components of a cell to the global interactions of entire ecosystem

Answer: A

2. What is the defining characteristics of a small-scale map ?
 - A. It covers large geographic area and low level of detail
 - B. It covers small geographic area and high level of detail
 - C. It covers medium sized areas that contains moderately detail information
 - D. It covers small areas that contain less details

Answer: A

3. What is the defining characteristic of a river's upper course?
 - A. Mostly used for transportation
 - B. Mostly used for generating electric power
 - C. Mostly used for agricultural activity
 - D. Mostly deposition of sediments

Answer: B

4. Which of the following best describes the characteristics of the Equatorial Low Pressure Belt?
 - A. The air is mostly rising vertically and become calm
 - B. The air is unsaturated
 - C. Intense high pressure at the pole
 - D. Wind speed is high

Answer: A

5. What type of rainfall occurs when the land warms up, causing moist air to rise and cool?
 - A. Orographic rainfall
 - B. Convectional rainfall
 - C. Cyclonic rainfall
 - D. Frontal rainfall

Answer: B

6. Which traits characterize the natural plant life of the equatorial rainforest?
 - A. Uniformly high temperature and heavy rainfall throughout the year
 - B. It has dense, tall, broad-leafed and evergreen trees

- C. It is inhabited by homogeneous animals
- D. It use shifting cultivation to provide continuous food supply

Answer: B

7. Identify the exception among the primary drivers of rapid human population growth since the 15th c.:
- A. Development of scientific knowledge
 - B. Capability to control famine and disease
 - C. Improvements of people living standard
 - D. Decrease in life expectancy

Answer: D

8. All of the following elements impact the quality of population statistics except one:
- A. Adequate funding
 - C. Abandoning certain group of people
 - B. Political instability
 - D. Respondents cannot understand the data

Answer: A

9. Identify the key factors that set urban settlement apart from rural ones:
- A. All villages are dominated by isolated homesteads
 - B. They engaged mainly in agricultural activity
 - C. They depend on industry, trade and services sector
 - D. The scattered villages have their own names

Answer: C

10. Which category of the economy is characterized by "High level of decision making" processes takes place?
- A. Primary economic activities
 - C. Tertiary economic activities
 - B. Secondary economic activities
 - D. Quinary economic activities

Answer: D

11. Identify the landform characterized as a narrow corridor connecting two larger pieces of land and separated by bodies of water:
- A. Islands
 - C. Peninsula
 - B. Isthmus
 - D. Strait

Answer: B

12. Which African Massifs that have a tropical grassland with scattered few trees and shrubs?
- A. The Sahara Desert
 - C. The Savannah
 - B. The Sahel
 - D. The tropical Rainforest

Answer: C

13. Which of the following is not a valid benefit of classifying climate?

- A. To simplifies complex data
- B. To predicting ecosystem
- C. To standardizing global research
- D. To irrelevant to tracks climate change

Answer: D

14. Which global climate region receives near-vertical solar radiation at midday throughout most of the year?

- A. Torrid zone
- B. Subtropical zone
- C. Temperate zone
- D. Cold zone

Answer: A

15. Assuming a standard environmental lapse rate, what would be the temperature be at a 4000m peak if the base at sea level is 25°C?

- A. 6°C
- B. 4°C
- C. -1°C
- D. 8°C

Answer: C

16. Identify the concepts that refers to the physical removal and utilization of materials from the natural environment:

- A. Consumptive use
- B. Public goods
- C. Indirect use value
- D. Non-excludable

Answer: A

17. What do you call an area of land where all the rainwater flows into a single common outlet?

- A. Drainage system
- B. Drainage pattern
- C. Drainage basin
- D. Confluence

Answer: C

18. Which river ends its journey in the Atlantic Ocean?

- A. Congo river
- B. Nile river
- C. Zambezi river
- D. Orange river

Answer: A

19. Which African nation holds the leading position in both the production and reserves of Cobalt?

- A. D.R.Congo
- B. Ghana
- C. Zambia
- D. Ethiopia

Answer: A

20. Which type of soil in Africa is very thin and sits right on top of hard rock?

- A. Arenosols
- B. Leptosols
- C. Cambisols
- D. Ferralsols

Answer: B

21. Which is the oldest national park in Africa?
- | | |
|--------------------------|---------------------------|
| A. Tsavo in Kenya | C. Kruger in South Africa |
| B. Serengeti in Tanzania | D. Etosha in Namibia |
- Answer: C
22. Which factors have caused the African's rapid population growth?
- | |
|---|
| A. Having high access to education |
| B. Low fertility rate in most Africa |
| C. Child birth at the old age in Africa |
| D. Decline in overall death due to medication |
- Answer: D
23. Which mitigation measure can be implemented to alleviate the adverse impact of drought?
- | | |
|--------------------------------|--------------------------------------|
| A. Deforestation | C. Public awareness on afforestation |
| B. Migration and social unrest | D. Irrigation inefficiency |
- Answer: C
24. Identify the dominant environmental impact resulting from deforestation:
- | | |
|---|------------------------------|
| A. Climate change may become worse | C. Fuel-wood collection |
| B. Cutting trees for farmland expansion | D. Expansion of urbanization |
- Answer: A
25. Which of the following describes the long-term impact of worldwide digital divide?
- | |
|---|
| A. Increased economic equality among nations |
| B. Promote social networking |
| C. Provision of affordable education learning |
| D. Financial service for the unbanked |
- Answer: A
26. Which term is used to describe the topographical features of the earth's surface?
- | | |
|--------------|--------------------|
| A. Map | C. Topographic map |
| B. Map scale | D. Relief |
- Answer: D
27. Which of these is incorrect about contour line?
- | |
|--|
| A. They are always numbered in the altitude decrease |
| B. Evenly spaced contours that become uniform slope |
| C. Widely spaced contour that become gentle slope |
| D. Closely spaced contour that become steep slope |

Answer: A

28. Which landscape looks like a dip point between two high grounds?

A. Ridge	C. Plateau
B. Saddle	D. Mountain

Answer: B

29. Which drainage pattern follows the path of soft rocks while cutting through harder ones?

A. Dendritic	C. Radial
B. Trellis	D. Centrifugal

Answer: B

30. Identify the driving forces that responsible for the displacement of tectonic plates as they float on the asthenosphere:

A. Ocean current	C. Soil erosion
B. Convection current	D. Gravitational force

Answer: B

31. Based on the difference between continental and oceanic crust, one can conclude that oceanic crust is typically:

A. Very younger and thinner rock	C. Have lower density
B. Very older and lighter rock type	D. Primarily Granite

Answer: A

32. The sideways pushing of rock layers due to crustal movement is termed as:

A. Soil erosion	C. Volcanic activity
B. Folding	D. Earthquake

Answer: B

33. When lava is discharged from a primary vent and spread in an extensively wider area before it hardens? :

A. Strato volcanoes	C. Cinder cones
B. Shield volcanoes	D. Craters

Answer: B

34. Which erosional process is characterized by the even stripping of topsoil erosion across a large surface area?

A. Rill erosion	C. Gully erosion
B. Sheet erosion	D. Gorge

Answer: B

35. Which term refers to the downward movement of soil and rock debris primarily driven by gravity?

A. Running water	C. Mass wasting
B. Sea waves	D. Glaciers

Answer: C

36. Which one is the “external forcing “causes of natural climate change?
- A. Incoming solar radiation
 - B. Change in atmospheric composition
 - C. Ocean circulation pattern
 - D. Volcanic eruption
- Answer: A
37. Which international climate conventions was the concept of an emission trading system officially implemented?
- A. Marrakesh Accord Declaration
 - B. Bonn Agreement programme
 - C. New Delhi
 - D. Buenos Aires
- Answer: B
38. Within in the Nested model of sustainable development, which layer represents the social dimension?
- A. Human rights and diversity growth
 - B. Biodiversity management
 - C. Consistent profitable
 - D. Risk management
- Answer: A
39. What is the precise meaning of data in contrast to information?
- A. Raw and unorganized facts processed data
 - B. It is useful for decision making on data
 - C. It is a
 - D. It depend
- Answer: A
40. Which type of geospatial data is used to describe the characteristics of an object?
- A. Place
 - B. “Aspatial”
 - C. Attributes
 - D. Time
- Answer: C
41. Which geographical data sources involve the direct gathering of information from earth’s surface?
- A. Rainfall reading in Injibara Metrological station
 - B. Aerial photography of Injibara urban planning
 - C. Satellite images of Bahir Dar city
 - D. Satellite images of forests in Gilgel Abay river courses
- Answer: A
42. Which specific elements of a GIS is responsible for the storage, analyse and display information?
- A. Hardware
 - B. Software
 - C. Method
 - D. People
- Answer: B

43. During which specific geological period did the earth's landmasses have retained their present position?
- | | |
|--------------------|----------------------|
| A. Cambrian period | C. Quaternary period |
| B. Triassic period | D. Territory period |
- Answer: C
44. According to the Principle of Original Horizontality, what is the assumed initial state of sedimentary rock layers?
- | |
|---|
| A. The layer of sediments placed horizontally under the action of gravity |
| B. It is disrupted sequence of sedimentary rocks layers |
| C. The rock layers that cross-cut another rock layer |
| D. The actual age of rocks given in numerical value |
- Answer: A
45. What is the oldest and longest era in the earth's geological time scale?
- | | |
|--------------------|-----------------|
| A. Paleozoic era | C. Mesozoic era |
| B. Precambrian era | D. Cenozoic era |
- Answer: B
46. To which geological era does the "age of mammals" belong?
- | | |
|--------------------|-----------------|
| A. Precambrian era | C. Mesozoic era |
| B. Paleozoic era | D. Cenozoic era |
- Answer: D
47. In the simplified Koppen's climate classification system, what is the designation for a climate characterized by a year-round moisture deficit?:
- | | |
|---------------------|--------------------------|
| A. Tropical climate | C. polar climate |
| B. Dry climate | D. Micro-thermal climate |
- Answer: B
48. Which climate classification system is defined by having a distinct and prolonged lack of precipitation throughout the winter season?
- | | |
|-------|-------|
| A. Af | C. Aw |
| B. Am | D. B |
- Answer: C
49. Within the traditional Ethiopian climate classification system, which zone is defined as the cold temperate highlands?
- | | |
|-----------|---------------|
| A. Bereha | C. Dega |
| B. Kolla | D. Woina Dega |
- Answer: C
50. Which of the following action is replanting trees in areas where forests have been cut down?
- | | |
|------------------|----------------------|
| A. Afforestation | C. Reforestation |
| B. Agroforestry | D. selective logging |

Answer: C

51. What is main objective of the Nile Basin Initiative(NBI) established in 1999?
- A. Equitable utilization of the water resources
 - B. Improvement of the supply of power in the Southern Africa region
 - C. The conservation and utilization of the soil in Sothern Africa
 - D. Working on the water management in the Great Lakes regions of North America

Answer: A

52. Which conflict management strategy use that a judge to provide a binding decision:
- A. Mediation
 - B. Adjudication
 - C. Arbitration
 - D. Mediation

Answer: B

53. How can anti-individual expression lead to grievance over resources?
- A. Marginalization
 - B. Enough representation of wealth
 - C. By the acts of calm and peace
 - D. Equitable distribution

Answer: A

54. In which specific Demographic Transitional Model are the majority of the world's developed countries currently incorporated?
- A. 1st stage
 - B. 2nd stage
 - C. 3rd stage
 - D. 4th stage

Answer: D

QUESTIONS FROM 54-60 ARE BASED ON THE DEMOGRAPHIC DATA OF A HYPOTHETICAL REGION GIVEN IN THE TABLE BELOW. THESE QUESTIONS SHOULD BE DONE ONLY BY NON-BLIND CANDIDATES.

Items	Data
Total population	53,500,000
Live birth	2,000,000
Total death	800,000
Male population	28,000,000
Infant death	5000
Maternal mortality	10,000
Reproductive women population	15,000,000

Working population	57%
Cultivated land area	30%
Total area(Km ²)	2,000,000
Rural population	20,000,000

55. What is the general fertility rate of the above population data?

- A. 130/1000 C. 125/1000
B. 133/1000 D. 120/1000

Answer: B

56. What is the infant mortality rate of the above data?

- A. 2/1000 C. 2.5/1000
B. 3/1000 D. 3.5/1000

Answer: C

57. What is the crude birth rate from the above data

- A. 37.38/1000 C. 30.35/1000
B. 35.67/1000 D. 31.38/1000

Answer: A

58. What is the immigrant rate of the above population data?

- A. 0.25/1000 C. 0.45/1000
B. 0.56/1000 D. 0.35/1000

Answer: B

59. What is the age dependency ratio of the data

- A. 75.43 C. 24.57
B. 65.43 D. 30.45

Answer: A

60. What is the sex ratio of the data

- A. 100.8 C. 109.8
B. 105.9 D. 106.8

Answer: C

61. What is the agricultural density to the above population data

- A. 22 per km² C. 44 per km²
B. 33 per km² D. 55 per km²

Answer: B

QUESTIONS FROM 61-67 WHICH SHOULD REPLACE THE CLIMATE, POPULATION AND MAP READING PARTS, MUST BE DONE ONLY BY VISUALLY IMPAIRED AND/ OR BLIND CANDIDATES.

62. Which of the following statement provides an accurate definition of the economic concept of underemployment?

- A. An individual who participate in certain income-generating activity

- B. Having no occupation to produce money for supporting self-living
- C. People working fewer hours than they would like
- D. Lack of an opportunity to get occupation to generate income

Answer: C

63. Which statement is **correct** about Malthusian theory of population?

- A. Positive checks are natural events that increase death rates
- B. Production is not targeted at people's need rather accumulation of wealth
- C. Population growth can be compensated production through technology
- D. Increasing food supplies through agricultural innovation

Answer: A

64. Which mitigation strategy is most effective for addressing the socio-economic challenges associated with rapid population growth in developing countries?

- A. Ensuring unequal opportunity for citizens
- B. Changing fertility pattern
- C. Lack of better education
- D. Chronic poverty and malnutrition

Answer: B

65. Which statement is **correct** about land degradation?

- A. Lack of access to the whole range of capital assets
- B. A natural resources including renewable and non-renewable
- C. A persistent decline in land quality
- D. The conversion of forests into non-forests land

Answer: C

66. Which invasive aquatic plants that rest on the water surface and their roots hanging freely on the water?

- A. Floating weeds
- B. Emergent species
- C. Mangroves
- D. Water hyacinth

Answer: A

67. What is the primary impediment to the effective implementation of Intra-African trade policies?

- A. There is no tariff and non-tariff measures
- B. Administrative barriers cause undue time delay
- C. There is strong regional coordination
- D. There is a better infrastructure transport among Africans

Answer: B

68. What is the political disadvantage of landlocked countries?

- A. There is higher transport cost in foreign trades

- B. Countries dependent on their transit neighbours' infrastructure
- C. Deficiency negotiating capacity with transit neighbours
- D. There is transit and custom changes

Answer: C

THE END!!!